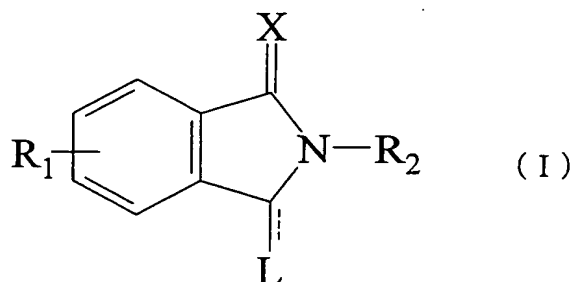


CLAIMS

1. A compound represented by formula (I):



wherein R_1 s are the same or different 1-3 groups, each
 5 of them is selected from the group consisting of C1-3 alkyl
 and C1-3 alkoxy; or when R_1 s are two adjacent groups, the
 two R_1 s taken together may form a saturated or unsaturated
 5- or 6- membered cyclic group which may have 1 or 2 hetero
 atoms selected from the group consisting of sulfur,
 10 nitrogen and oxygen:

X is oxygen or sulfur:

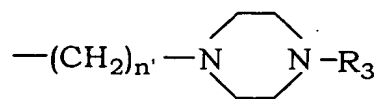
R_2 is selected from the group consisting of phenyl,
 benzyl, pyridyl, pyridylmethyl, pyrimidinyl, cyclohexyl,
 methylpiperazinyl, indanyl and naphthyl, all of which may
 15 optionally be substituted; provided that when R_2 is phenyl,
 the 3- and 4- positions of the phenyl moiety are not
 substituted by alkoxy groups at the same time:

----- represents a single bond or double bond: and

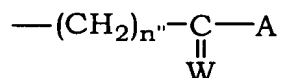
L is

20 $-(CH_2)_n-H$

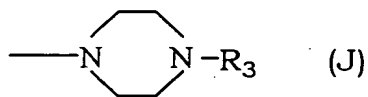
wherein n is an integer of 1-8;



wherein R_3 is selected from the group consisting of hydrogen, linear or branched C1-8 alkyl, C1-3 alkyl substituted by at least one fluorine atoms, cyclopentyl, cyclohexyl, cycloheptyl, cyclohexylmethyl, benzyl, 2-pyridyl and 2-pyrimidinyl groups, n' is an integer of 1-3;

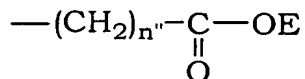


wherein W is oxygen or sulfur atom, A is selected from the group consisting of linear or branched C1-5 alkyl, 2-dimethylaminoethylamino, 2-thiazolylamino, 4-methylhomopiperazinyl, 4-piperidinopiperidino, dimethylaminoanilino, pyridylamino, piperidino, 4-ethoxycarbonyl piperidino, 4-carboxypiperidino and a group represented by formula (J)



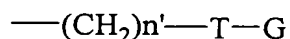
wherein R_3 is as defined above,

n'' is an integer of 0-3;

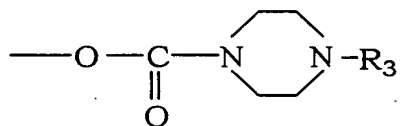


wherein E is selected from the group consisting of hydrogen, linear or branched C1-6 alkyl or alkenyl, C1-3 alkyl substituted by at least one fluorine atoms, 2-methoxyethyl,

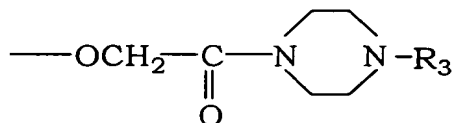
2-methylthioethyl, 2-dimethylaminoethyl, phenyl, pyridyl, benzyl, pyridylmethyl, cyclopentyl, cyclohexyl, tetrahydro-2H-pyranyl, cyclohexylmethyl, 1-methyl-4-piperidyl, indanyl, 1,3-benzodioxolyl and 1H-indolyl, wherein phenyl and pyridyl may optionally be substituted by the group consisting of halogen, methyl, methoxy, isopropyl and allyl, provided that when R₁ is 7-methoxy and R₂ is phenyl, E is not alkyl, n" is an integer of 0-3;



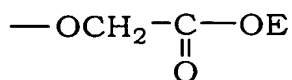
wherein T is oxygen, sulfur or NH, G is selected from the group consisting of hydrogen, linear or branched C1-5 alkyl, C1-3 alkyl substituted by at least one fluorine atoms, 2-methoxyethyl and alkylcarbonyl, n' is an integer of 1-3;



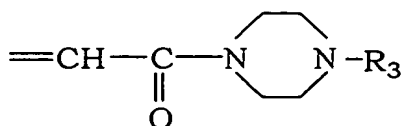
wherein R₃ is as defined above;



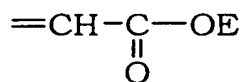
wherein R₃ is as defined above;



wherein E is as defined above;



wherein R₃ is as defined above; or



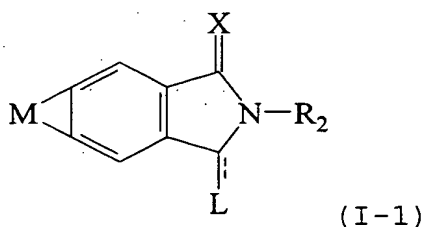
wherein E is as defined above

or a salt thereof.

2. The compound of Claim 1, wherein R_1 s are two groups
5 and selected from the group consisting of methyl, ethyl and methoxy.

3. The compound of Claim 2, wherein R_1 is 5,6-dimethyl.

4. The compound of Claim 1, which is represented by formula (I-1):



10

wherein M represents together with the isoindoline structure a saturated or unsaturated 5- or 6- membered cyclic group which may optionally have 1 or 2 hetero atoms selected from the group consisting of sulfur, nitrogen and
15 oxygen;

X, R_2 and L are as defined in Claim 1

or a salt thereof.

5. The compound of Claim 4, wherein M is selected from the group consisting of

20

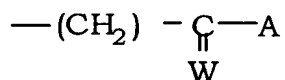
$-\text{CH}_2\text{CH}_2\text{CH}_2-$

$-\text{CH}_2\text{OCH}_2-$ and

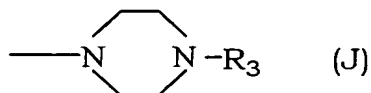
-OCH₂O-.

6. The compound of any one of Claims 1-5, wherein R₂ is an optionally substituted phenyl or an optionally substituted pyridyl.

5 7. The compound of any one of Claims 1-6, wherein L is



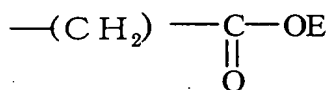
wherein W is oxygen, A is selected from the group consisting of linear or branched C1-5 alkyl and a group of formula (J):



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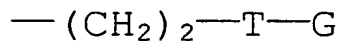
wherein R₃ is methyl or isopropyl.

8. The compound of any one of Claims 1-6 wherein L is



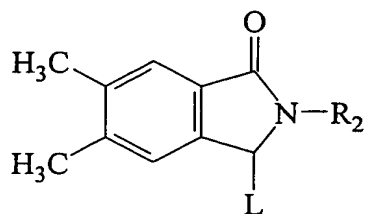
15 wherein E is selected from the group consisting of propyl, isobutyl and phenyl substituted by at least one of methyl and/or methoxy.

9. The compound of any one of Claims 1-6, wherein L is



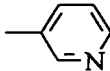
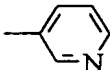
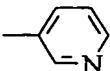
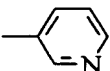
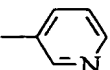
wherein T is oxygen or sulfur, G is ethyl or propyl.

20 10. The compound of Claim 1, which is represented by the formula:



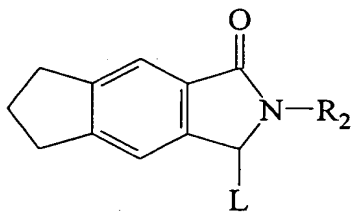
wherein R_2 and L are selected from the following combinations:

R_2	L
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_2$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_2$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_2$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_2$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_2$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_2$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_2$

R ₂	L
	$\text{CH}_2\text{C}(=\text{O})\text{OCH}_2\text{CH}_2\text{CH}_3$
	$\text{CH}_2\text{C}(=\text{O})\text{OCH}_2\text{CH}(\text{CH}_3)_2$
	$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$
	$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{CH}_3$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_2)_4\text{N}(\text{CH}_2)_4\text{C}_6\text{H}_{11}$

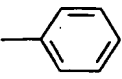
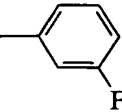
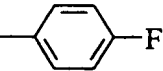
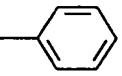
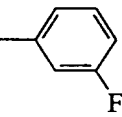
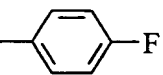
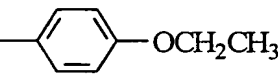
or a pharmaceutically acceptable salt thereof.

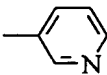
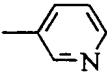
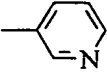
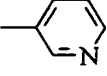
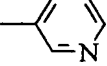
11. The compound of Claim 1, which is represented by the formula:



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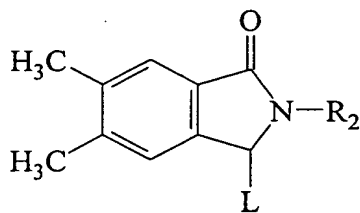
wherein R₂ and L are selected from the following combinations:

R ₂	L
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{C}_4\text{H}_8$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{C}_4\text{H}_8$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{C}_4\text{H}_8$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}(\text{CH}_3)_2)\text{C}_4\text{H}_8$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}(\text{CH}_3)_2)\text{C}_4\text{H}_8$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}(\text{CH}_3)_2)\text{C}_4\text{H}_8$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_3)\text{C}_4\text{H}_8$

R ₂	L
	$\text{CH}_2\text{C}(=\text{O})\text{OCH}_2\text{CH}_2\text{CH}_3$
	$\text{CH}_2\text{C}(=\text{O})\text{OCH}_2\text{CH}(\text{CH}_3)_2$
	$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$
	$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{CH}_3$
	$\text{CH}_2\text{C}(=\text{O})\text{N}(\text{CH}_2)_2\text{N}(\text{CH}_2)_2\text{C}_6\text{H}_{11}$

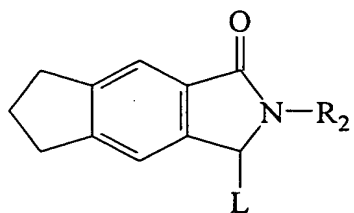
or a pharmaceutically acceptable salt thereof.

12. The compound of Claim 1 wherein represented by the formula

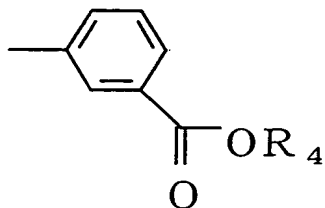


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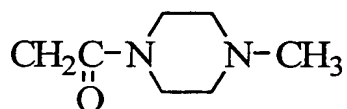
or



wherein R₂ is



wherein R_4 is selected from the group consisting of C1-5 alkyl, optionally substituted phenyl and optionally substituted benzyl, and L is



5

13. An anesthetic composition for inducing sedative effect and anesthesia in a mammal, comprising an anesthetic effective amount of the compound of any one of Claims 1-12 and a pharmaceutically acceptable carrier.

10 14. The composition of Claim 13, which is for intravenous injection.

15. Use of a compound of any one of Claims 1-12 for manufacturing a pharmaceutical composition for inducing sedative effect and anesthesia in a mammal.

15 16. A method for inducing sedative effect and anesthesia in a mammal, comprising the step of administering an anesthetic effective amount of the compound of any one of Claims 1-12 to the subject in need of anesthesia.